

Electronic Supplementary Information for

Methotrexate-Mn²⁺ based Nanoscale Coordination Polymers as Theranostic Nanoplatfom for MRI guided Chemotherapy

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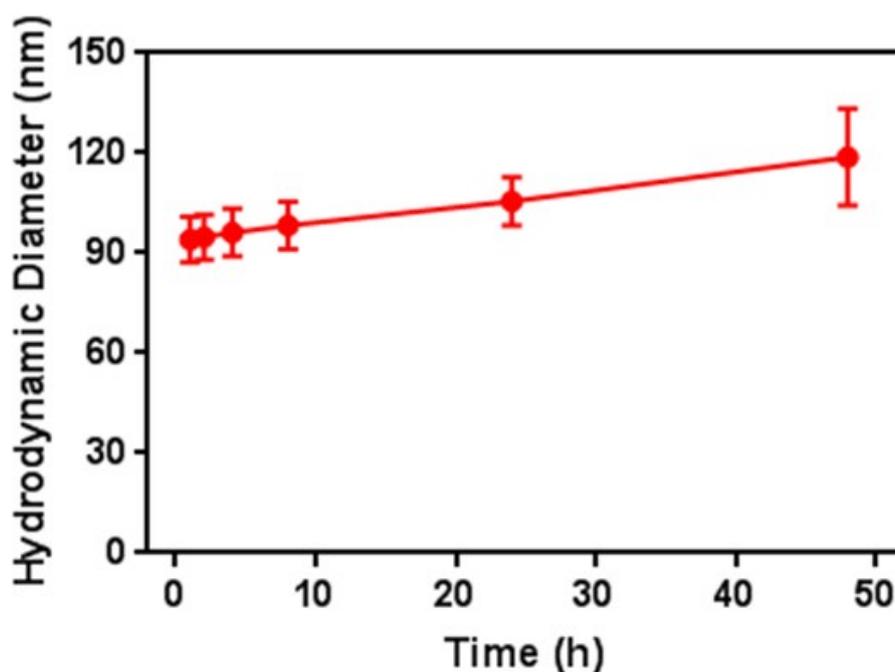


Figure S1. DLS of MTX-Mn@PEG in water at different time points of 1 h, 2 h, 4 h, 8 h, 24 h, 48 h (n =3).

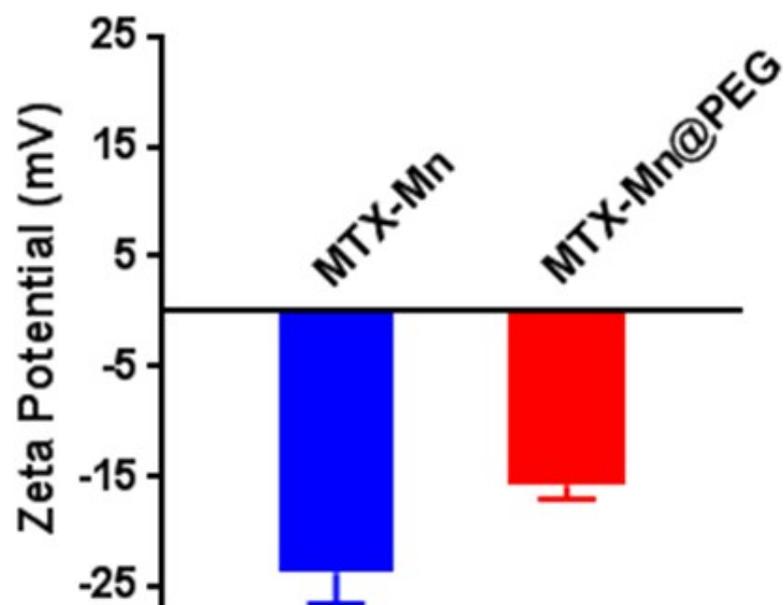


Figure S2. Zeta-potential of MTX-Mn and MTX-Mn@PEG in 50mM PBS.

Table S1. C, N, O and Mn ratio in MTX-Mn@PEG (Data from HRTEM EDS).

Element	norm. C [wt.%]	Atom. C [at.%]
Carbon	71.64	78.72
Nitrogen	16.61	15.66
Oxygen	4.78	3.95
Manganese	6.97	1.67

Table S2. ICP-MS results of Mn content in MTX-Mn@PEG.

Sample	MTX-Mn@PEG
Average	12.10
REP#1	12.17
REP#2	12.07
REP#3	12.07

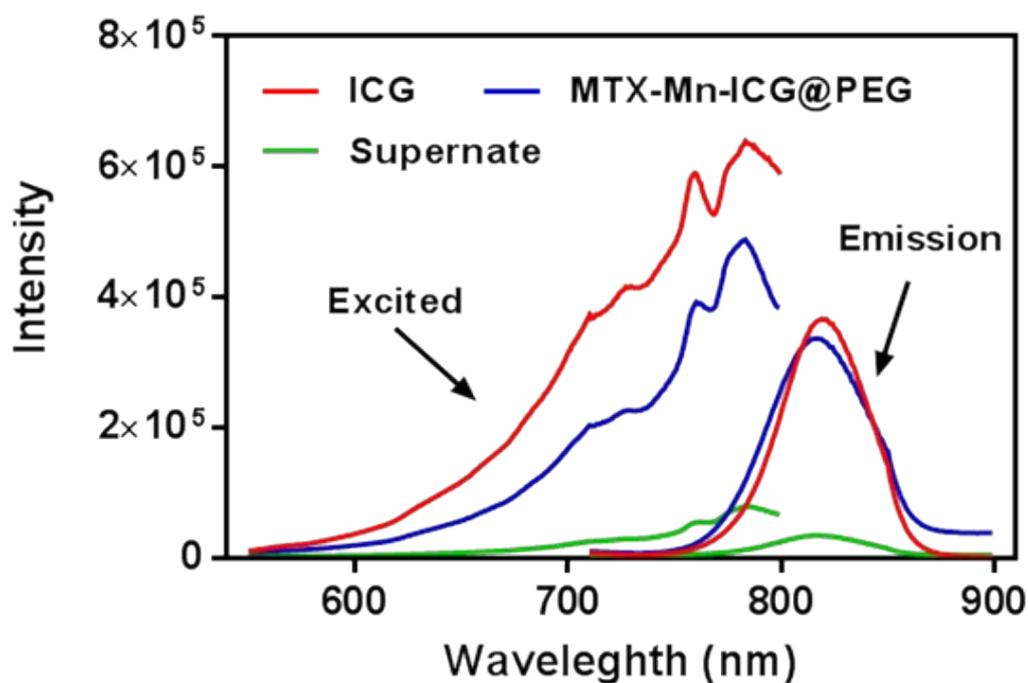


Figure S3. The fluorescence spectra of ICG, MTX-Mn-ICG@PEG and supernatant of MTX-Mn-ICG@PEG after washing for 5 times in water detected by fluorescence spectrophotometer (RF-6000, Shimadzu).

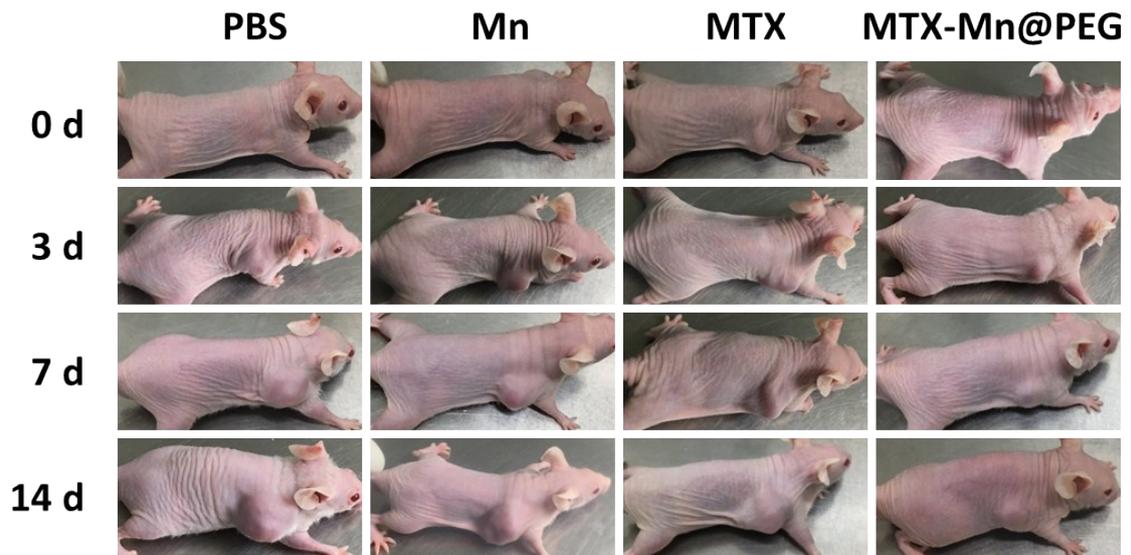


Figure S4. Images of mice in different groups during 14 days' treatment.